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Vance, Vicki Bowman et al., The Major Protein from Lipid Bodies of Maize - Characterization and Structure on cDNA Cloning, The Journal of Biological Chemistry, 262(23), 11275-11279, 1987

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Sheet 1 of 3 Form PTO-1449 Docket Number (Optional) Application Number (Reproduced) **BB1137** 09/326,285 INFORMATION DISCLOSURE CITATION SHEN IN AN APPLICATION (Use several sheets if necessary) Group Art Unit JUNE 7, 1999 1643 U. S. PATENT DOCUMENTS FILING DATE IF APPROPRIATE EXAMINER DOCUMENT NUMBER DATE NAME **CLASS** SUBCLASS INITIAL. 5,443,974 08/22/95 HITZ ET AL. 435 172.3 ENT& TR FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER CLASS SUB-TRANSLATION CLASS YES NO 09/10/97 **EPO** 0 794 250 A1 CIZN 15/53 30e 105 12/17/ 10/28/93 PCT C12N 15/29 WO 93/21320 Duplicate see 105 7219 05/26/94 WO 94/11516 15/53 Duplicule See 105 12/17/ WO 97/10328 03/20/97 WO 99/60129 11/25/99 PCT C12N 15/29 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Lee, Keunmyong et al., Genes encoding oleosins in maize kernel of inbreds Mo17 and B73, Plant Molecular Biology, 26, 1981-1987, 1994 Duplicak IDS 10114189 Lee, K. et al., Genes encoding oleosins in maize kernel of inbreds Mo17 and B73, Database EMBL, Accession No. U13701, June 10, 1995 DUPLICAR SU 105 Qu. Rongda et al., Oleosin KD 18 on the Surface of Oil Bodies in Maize, The Journal of Biological Chemistry, 265, No. 4, 2238-2243, 1990 Duplicate 105 Sec

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